



Forest Insect & Disease Management

Report No. 80-3-36

Issued on: 8-6-80

AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, SAM HOUSTON NATIONAL FOREST, TEXAS

LAND OWNERSHIP OR SURVEY AREA: Sam Houston National Forest

STATE: Texas

AREA WITHIN SURVEY BOUNDARY: 491,800 acres

DATE: July 29, 1980

PERCENT COVERAGE: 75%

AIRCRAFT: Cessna 182

CREW: E.T. Wilson, T. Russell, A. Benson, Bill Jackson
(District Personnel)

REPORT PREPARED BY: E.T. Wilson

SURVEY OBJECTIVES

To detect the presence of forest insects and/or diseases adversely affecting the timber resources in the survey area.

SURVEY RESULTS

A total of 58 spots containing 316 dead and dying trees were detected. The pine mortality on the Sam Houston National Forest is suspected to be primarily caused by the southern pine beetle. The attached map indicates the approximate size and location of suspected southern pine beetle infestations.

CONCLUSIONS

The occurrence of suspected southern pine beetle activity has increased since the April 1980 aerial detection survey was flown. District personnel are aware of the infestations and are monitoring them closely. A ground check will be conducted by personnel from the Alexandria Field Office to verify the causal agent and to evaluate the southern pine beetle outbreak potential.

For additional information, contact:

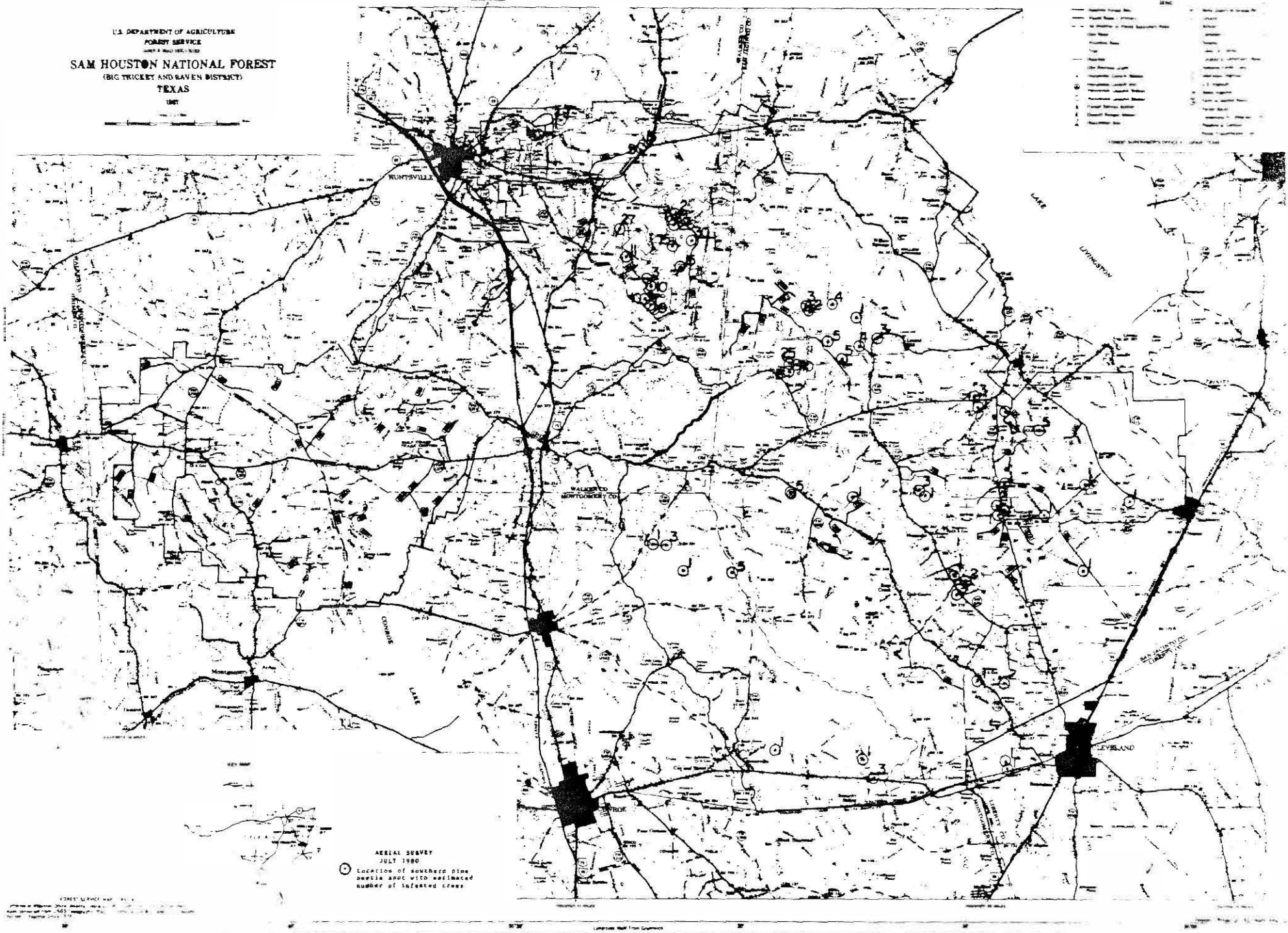
USDA Forest Service FIDM or USDA Forest Service FIDM
3620 Interstate 85, N.E. Rm. 2103 2500 Shreveport Hwy.
Doraville, GA 30340 Pineville, LA 71360
Telephone: 404/221-4796 Telephone: 318/473-7280

**SOUTHEASTERN AREA, STATE & PRIVATE FORESTRY
USDA FOREST SERVICE, ATLANTA, GA 30309**

Table 1: Summary of Aerial Survey Data, Sam Houston National Forest, Texas, July 29, 1980

Ownership	Infestation Size (# Trees)									
	1 - 10		11 - 25		26 - 50		51 - 100		101+	
	Spots:Trees		Spots:Trees		Spots:Trees		Spots:Trees		Spots:Trees	
Raven Rd. Federal	9	44	4	66	2	57	0	0	0	0
Private	2	12	1	15	0	0	0	0	0	0
San Jacinto Ranger District Federal	22	66	1	25	0	0	0	0	0	0
Private	17	31	0	0	0	0	0	0	0	0

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
SAM HOUSTON NATIONAL FOREST
(BIG TRICKET AND RAVEN DISTRICTS)
TEXAS
1980



Aerial Detection Survey, July 29, 1980